ACS

A **Xerox** Company

12410 MILESTONE CENTER DR. 4TH FLOOR GERMANTOWN, MD 20876

PROJECT DESCRIPTION

<u>GENERAL</u>

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD97 (GEORGIA AVE) SB AND MD 390 (16th ST.).

LANES MONITORED - 3 THRU

INTERSECTION OPERATION

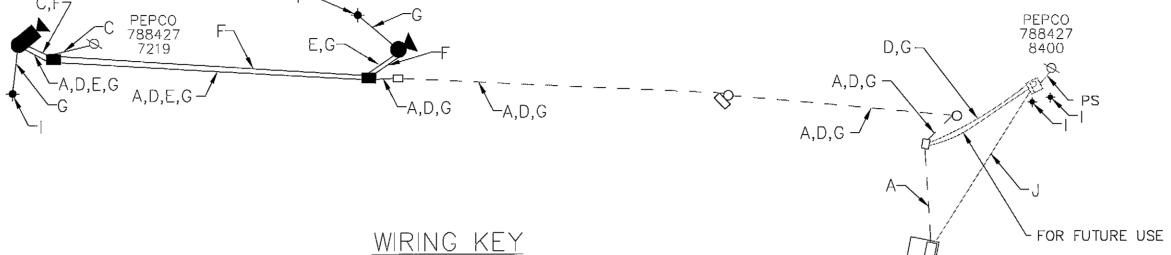
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

<u>EQUIPMENT LIST</u>

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY LUMP SUM LUMP SUM	UNITS LS LS	DESCRIPTION MAINTENANCE OF TRAFFIC MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2 1	EA	RLCS-1 FLASH ASSEMBLY
	EA	
1	EA	100 AMP METER SERVICE PEDISTAL WITH
		BYPASS SWITCH AS SHOWN
1	EA	10' PEDESTAL POLE
1	EA	14' PEDESTAL POLE
2	EA	# 5 PULL BOXES
300	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
250	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE
4	EA	GROUND ROD $-3/4$ IN. X 10 FT. LENGTH
275	LF	POWER (3) #10 CÓNDUCTORS THHN
		(HOT, NÈUTRAL, AND GROUND)
375	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
250	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
300	LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
7	LF	4" PVC SCH. 80 ELECTRICAL CONDUIT TRENCHED WITH 4"
		ELBOW AT WOOD POLE BASE
2.75	CY	CONCRETE FOR PEDESTAL POLE FOUNDATIONS WITH
		(1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH



- A 7-CONDUCTOR CABLE (NO. 14 AWG)ALL LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE (NOT USED)
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (3) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- G STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- PROPOSED GROUNDING ROD
- J (3) 1-CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG)
- PS PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
- 3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- 4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
- CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
- * MONTGOMERY COUNTY ENGINEER KAMAL HAMUD 240-777-8761 * MONTGOMERY COUNTY TECHNICIAN SUPERVISOR RDBERT RICKETS 240-876-3681
- 6, CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES,
- * SHA INSPECTION TEAM LEADER ADRIAN PUGH 410-787-7645

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

WIRING KEY

MD97 (GEORGIA AVE.) SB AND MD390 (16th STREET)

REVISIONS SCALE NONE ADVERTISED DATE _ CONTRACT NO<u>.</u> COUNTY___MONTGOMERY DESIGNED BY LOGMILE_ DRAWN BY_ TIMS NO.___L413__ CHECKED BY TOD NO.___ DRAWING NO. 10047A-SHEET NO. 2 OF 2

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL